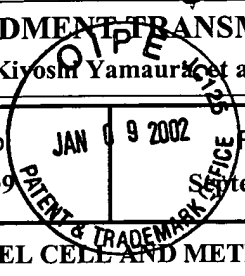
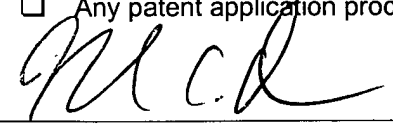
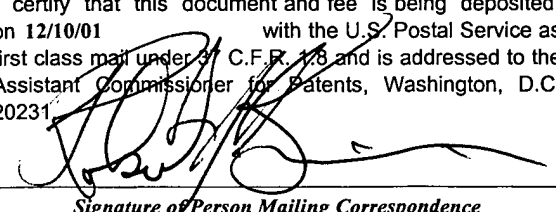


AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. 112857-290	
Applicant(s): Kiyoshi Yamaura et al.					
Serial No. 09/967,309		Filing Date September 28, 2001	Examiner Unknown	Group Art Unit 1745	
Invention: FUEL CELL AND METHOD FOR PREPARATION THEREOF					
<u>TO THE ASSISTANT COMMISSIONER FOR PATENTS:</u>					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	29 -	20 =	9 x	\$18.00	\$162.00
INDEP. CLAIMS	4 -	3 =	1 x	\$84.00	\$84.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$246.00
<input type="checkbox"/> No additional fee is required for amendment. <input checked="" type="checkbox"/> Please charge Deposit Account No. 02-1818 in the amount of \$246.00 A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> A check in the amount of \$246.00 to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-1818 A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 _____ Signature			Dated: December 10, 2001		
Thomas C. Basso (Reg. No. 46,541) Bell, Boyd & Lloyd LLC P.O. Box 1135 Chicago, Illinois 60690					
I certify that this document and fee is being deposited on 12/10/01 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.6 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.  _____ Signature of Person Mailing Correspondence Robert Buccieri _____ Typed or Printed Name of Person Mailing Correspondence					
CC:					



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kiyoshi Yamaura, et al.
Appl. No.: 09/967,309
Filed: September 28, 2001
Title: FUEL CELL AND METHOD FOR PREPARATION THEREOF
Art Unit: 1745
Examiner: Unknown
Docket No.: 112857-290

Assistant Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified patent application as follows:

In the Specification:

Please amend the paragraph beginning at line 11 of page 7 as follows:

Although any suitable carbonaceous material may be used as the powder of a carbonaceous material 4 which is used as an electrode material, it is particularly desirable that needle-like carbonaceous materials, or fibrous carbonaceous materials (i.e., carbonaceous materials composed of fibers including carbon fibers), for example, carbon nanotubes, needle-like graphite (i.e., graphite fibrous material), such as vapor-grown carbon fibers (VGCF) manufactured by TOHO RAYON CO., LTD., like materials or mixtures thereof, are contained in the powder of a carbonaceous material 4.

In the Claims: ✓

Please cancel claims 1-11, without prejudice, and substitute the following claims therefor:

12. A gas diffusion electrode operable within a fuel cell comprising a carbonaceous material having a surface and a proton conductor material that is applied to at least a portion of the surface, wherein the proton conductor material is composed of a carbon-based material forming a matrix structure that has at least one proton dissociative group introduced to the matrix structure.

13. The gas diffusion electrode as claimed in claim 12, wherein the gas diffusion electrode comprises a thickness of about 10 μm or less.

01/15/2002 HBERHE 00000033 09967309

02 FC:103
03 FC:102

162.00 OP
84.00 OP